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EXAMINER
KE, PENG

ART UNIT	PAPER NUMBER
2174	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
Office Action Summary	10/027,821	PROULX ET AL.
	Examiner	**Art Unit**	
	SIMON KE	2174	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS,
WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>20 November 2008</u>.

2a)☒ This action is **FINAL**.   2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-18</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-18</u> is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

        1.☐ Certified copies of the priority documents have been received.

        2.☐ Certified copies of the priority documents have been received in Application No. _____.

        3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

This action is responsive to communications: Amendment, filed on 11/20/08.

Claims 1-18 are pending in this application. Claims 1 and 9 are independent claims.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the

basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on
sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4, and 7-18 are rejected under 35 U.S.C. 102(b) as being anticipated by Hansen US

Patent 5,838,907.

As per claim 1, Hansen teaches a network administration method for provisioning logical

configuration links for at least two network devices through a dedicated graphical user interface

form, the method comprising:

Selecting a network device having at least one network interface through the dedicated

graphical user interface form; (figure 3b, column 15, lines 18-32; To configure a device, the

device must be selected first)

Determining local interface and next neighbor information for the network device; (figure

7, items 114, 116, 120, 126, 122, 118, and 124)

Determining whether the local interface and next neighbor information is associated with

a logical configuration link stored among a plurality of logical configuration links in a logical

link database; (column 5, lines 35-65; Subsystem is a logical link database)

Creating a new logical configuration link when the local interface and next neighbor information is not associated with any of the logical configuration links in the logical ink databases; (column 15, lines 30-50; Unconnected PCI slot are unassociated connection)

Storing the new logical configuration link in the logical link database; (column 13, lines 10-30)

Validating the new logical configuration link; (column 13, lines 10-30)

Sending the new logical configuration link to the network device; (column 14, lines 41-60) and

Displaying a graphical representation of the new logical configuration link on a display device. (column 14, lines 41-60)

As per claim 2, Hansen teaches the method of claim 1. Hansen further teaches the step of creating a new logical configuration lik further comprises the steps of;

Selecting a like type; (column 13, lines 1-10; x. 25, frame relay, PPP and HDLC are link types)

Selecting a link numbering type for the new logical configuration link; (column 11, lines 13-30; PCI slots are numbered configuration links)

Selecting a link application for the new logical configuration link; (column 14, lines 5-25; The script commands are applications; column 13, lines 65-column 14, lines 5)

Selecting a sub layer interface type for the new logical configuration link; (column 14, lines 15-25; Connection identifiers are configuration links)

Creating a first endpoint for the new logical configuration link; and

Creating a second endpoint for the new logical configuration link.(column 13, lines 10-30)

As per claim 3, Hansen teaches the method of claim 2, wherein the step of selecting the link type further comprises the step of:

Selecting the link type from among a group consisting of: point-to-point, point-to-IP, and pint-to-subnet. (column 13, lines 1-10; x. 25, frame relay, PPP and HDLC)

As per claim 4, Hansen teaches the method of claim 4, wherein the step of selecting the a link number type further comprises the step of:

Selecting the link numbering type from a group consisting of: a numbered type and an un-number type. (column 11, lines 13-30; PCI slots are numbering type, column 13, lines 28-45; a list of connection interface is un-number type)

As per claim 7, Hansen teaches the method of claim 1, Hansen further teaches the step of:

Modifying a logical configuration link in the logical link databases. (column 11, lines 41-53; Editing is modifying)

As per claim 8, Hansen teaches the method of claim 1, Hansen further teaches the step of:

Deleting a logical configuration link in the logical link database. (column 10, lines 1-20)

As per claim 9, it is of the same scope as claim 1. Supra.

As per claim 10, Hansen teaches the apparatus of claim 9. Hansen teaches wherein the display device provides an ability to select a network device having at least one network

interface through the graphical user interface form. (figure 3b, column 15, lines 18-32; To

configure a device, the device must be selected first)

As per claim 11, Hansen teaches the apparatus of claim 9, Hansen further teaches the

processing system determines local interface and next neighbor information for the network

device. (figure 7, items 114, 116, 120, 126, 122, 118, and 124)

As per claim 12, Hansen teaches the apparatus of claim 11, Hansen further teaches the

processing system determines whether the local interface and next neighbor information is

associated with one of the logical configuration links stored in the logical link database. (column

15, lines 30-50; Unconnected PCI slot are unassociated connection)

As per claim 13, Hansen teaches the apparatus of claim 12, Hansen further teaches

creates a new logical configuration link when the local interface and next neighbor information is

not associate with any of the logical configuration links stored in the logical link database.

(column 13, lines 10-30)

As per claim 14, Hansen teaches the apparatus of claim 13, Hansen further teaches the

processing system causes the new logical configuration link to be stored in the logical link

database. (column 13, lines 10-30)

As per claim 15, Hansen teaches the apparatus of claim 14, Hansen further teaches the

processing system validates the new logical configuration link. (column 13, lines 10-30)

As per claim 16, Hansen teaches the apparatus of claim 15, Hansen further teaches the

processing system cause the new logical configuration link to be sent to the network device.

(column 14, lines 41-60)

As per claim 17, it is rejected under the same rationale as claim 1. Supra.

As per claim 18, it is rejected under the same rationale as claim 2. Supra.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in
> section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are
> such that the subject matter as a whole would have been obvious at the time the invention was made to a person
> having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the
> manner in which the invention was made.

Claim 5 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hansen in view of

Hansen US Patent 5,838,907 in view of Hardwick US Patent 5,550,816.

As per claim 5, Hansen teaches the method of claim 2. Hansen fails to teach the step of

selecting a link application from a group consisting of:

Internet Protocol Forwarding, Multi-Protocol Label Switching and Internet Protocol

Forwarding, and Multi-Protocol Label Switching.

Hardwick teaches the step of selecting a link application from a group consisting of:

Internet Protocol Forwarding, Multi-Protocol Label Switching and Internet Protocol

Forwarding, and Multi-Protocol Label Switching. (column 43, lines 60- column 44, lines 5)

It would have been obvious to an artisan at the time of the invention to include

Hardwick's teaching with method of Hansen in order to provide a wide variety of access control

tools that permit network managers to define the policy of how network group can interact

within themselves.

Claims 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hansen in view of

Hansen US Patent 5,838,907 in view of Chui US Patent 2002/0165978.

As per claim 6, Hansen teaches the method of claim 2, Hansen fails to teach selecting a

sub layer interface type further comprises the step of :

Selecting the sub-layer interface type from a group consisting of; Packet over Sonet,

Asynchronous Transfer Mode, and GigEthernet.

Chui teaches selecting a sub layer interface type further comprises the step of :

Selecting the sub-layer interface type from a group consisting of; Packet over Sonet,

Asynchronous Transfer Mode, and GigEthernet.   (Paragraph 0201)

It would have been obvious to an artisan at the time of the invention to include Chui's

teaching with method of Hansen in order to provide a wide variety of access control tools that

permit network managers to define the policy of how network group can interact within

themselves.

Response to Argument

Applicant's arguments filed on 11/20/08 have been fully considered but they are not

persuasive.

Applicant's argument focused on the following:

A) Hansen fails to teach "determining whether the local interface and next neighbor

information is associated with a logical configuration link stored among a plurality of logical

configuration links in a logical link database."

A) Hansen system relates to both the local interface and next neighbor information by using a map editor and a configuration which are local interface (see Hansen col. 5, lines 35-45) and displaying on this interface information regarding neighboring network device. (see Hansen col. 5, lines 55-65)

B) Hansen fails to teach "creating a new logical configuration link when the local interface and next neighbor information is not associated with any of the logical configuration links in the logical link database and storing the new logical configuration link in the logical link database."

B) Hansen teaches this limitation because the PCI slot 3, which is not connected or associated with any logical configure, can be configured to be linked to a network device and configured according to device's information. (see Hansen, column 15 ,lines 40-60) By doing so, Hansen creates a new logical configuration on the PCI slot 3 when none existed before. Furthermore, Hansen stores the newly configured script in a memory subsystem, and the memory subsystem is a database for configuration scripts. (see Hansen, column 2 ,lines 40-45) Furthermore, upon completion, the new neighbor device information is displayed on the local interface. (see Hansen, col. 17, lines 40-col. 18, line 2)

C) Hansen fails to teach "selecting a link numbering type for the new logical configuration link."

C) Hansen teaches this limitation because the new PCI is configured with desired port number and port setting. (see Hansen, col. 15, lines 5-20) The new PCI is configured with new

IP address for the specified port. (see Hansen, figure 5, items 202; col. 13, lines 45-col. 14, lines 40; the desired IP setting are set to the select port.)

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to SIMON KE whose telephone number is (571)272-4062. The examiner can normally be reached on M-Th and Alternate Fridays 8:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen S. Hong can be reached on (571) 272-4124. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Peng Ke
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Primary Examiner, Art Unit 2174